Author Index to Volume 18 (1989/90)

(The issue number is given in front of the pagination)

Adas, A.A.A., Evaluation methodology for wide area networks (2) 115–131
Aggarwal, S. and **K. Sabnani**, Guest editorial (3) 165

Bae, J.J., *see* **Suda, T.** (4) 275–292
Baxter, D.C., *see* **Suda, T.** (4) 275–292
Biersack, E.W., A systematic approach for constructing gateways (2) 79– 95
Blumer, T.P., *see* **Sidhu, D.P.** (3) 221–238
Bondavalli, A., M. Conti, E. Gregori, L. Lenzini and **L. Strigini**, MAC protocols for high-speed MANs: Performance comparisons for a family of Fasnet-based protocols (2) 97–113

Chauhan, A.S., *see* **Shatz, S.M.** (4) 293–314
Chlamtac, I., *see* **Ganz, A.** (4) 263–274
Conti, M., *see* **Bondavalli, A.** (2) 97–113
Cusworth, S.D., J.M. Senior and **A. Ryley**, Wavelength division multiple access on a high-speed optical fibre LAN (5) 323–333

DeWitt, T., *see* **Holman, T.** (1) 65– 71
Du, H.C., *see* **Sharrock, S.M.** (1) 1– 18

Ganz, A. and **I. Chlamtac**, An efficient solution to finite buffer non-persistent carrier sense multiple access protocol (4) 263–274
Ghanta, S., *see* **Sharrock, S.M.** (1) 1– 18
Gopal, I. and **A. Segall**, Directories for networks with casually connected users (4) 255–262
Gregori, E., *see* **Bondavalli, A.** (2) 97–113

Holman, T., S. Wakid and **T. DeWitt**, The role of the NIU-forum in realizing interoperable ISDN (1) 65– 71
Hornbeek, M.W.A., *see* **Probert, R.L.** (1) 19– 29

Jain, R., Characteristics of destination address locality in computer networks: A comparison of caching schemes (4) 243–254

Kajka, P.S., *see* **Shatz, S.M.** (4) 293–314
Kang, Y., *see* **Wong, J.S.K.** (5) 379–391

Lenzini, L., *see* **Bondavalli, A.** (2) 97–113
Lin, T.-P., ISDN basic rate interface architecture for ADPCM transmission (1) 55– 64
Linn, Jr., R.J., Conformance testing for OSI Protocols (3) 203–219

Maly, K.J., *see* **Sharrock, S.M.** (1) 1– 18

Orda, A. and **R. Rom**, Multihoming in computer networks: A topology-design approach (2) 133–141

Pehrson, B., Protocol verification for OSI (3) 185–201
Popescu-Zeletin, R., From broadband ISDN to multimedia computer networks (1) 47– 54
Probert, R.L., H. Ural and **M.W.A. Hornbeek**, A comprehensive software environment. for developing standardized conformance test suites (1) 19– 29

Rom, R., *see* **Orda, A.** (2) 133–141
Rosenne, D., Leased digital data lines service: Israeli approach (2) 143–146
Ryley, A., *see* **Cusworth, S.D.** (5) 323–333

Sabnani, K., *see* **Aggarwal, S.** (3) 165
Segall, A., *see* **Gopal, I.** (4) 255–262
Senior, J.M., *see* **Cusworth, S.D.** (5) 323–333
Sharrock, S.M., S. Ghanta, H.C. Du and **K.J. Maly**, A CSMA/CD-based, integrated voice/data protocol with dynamic channel allocation (1) 1– 18
Shatz, S.M., P.S. Kajka and **A.S. Chauhan**, Formal modeling and automated analysis of the LAPD protocol (4) 293–314
Sidhu, D.P. and **T.P. Blumer**, Semi-automatic implementation of OSI protocols (3) 221–238
Strigini, L., *see* **Bondavalli, A.** (2) 97–113
Suda, T., J.J. Bae and **D.C. Baxter**, The robustnes and performance of tree collision resolution algorithms in an unshared feedback error environment (4) 275–292
Svobodova, L., Measured performance of transport service in LANs (1) 31– 45

Ural, H., *see* **Probert, R.L.** (1) 19– 29

v. Bochmann, G., Protocol specification for OSI (3) 167–184
v. Bochmann, G., Specifications of a simplified transport protocol using different formal description techniques (5) 335–377

Wakid, S., *see* **Holman, T.** (1) 65– 71
Wit, C., Introductory Speech at "*ISDN in Europe*" Conference April 25–27, The Hague, Netherlands (2) 147–148
Wong, J.S.K. and **Y. Kang**, Distributed and fail-safe routing algorithms in toroidal-based metropolitan area networks (5) 379–391

North-Holland
Computer Networks and ISDN Systems 18 (1989/90) 397

Elsevier Science Publishers B.V. (North-Holland)

Subject Index to Volume 18 (1990)

Access points 133
Access protocol 323
Address resolution 243
ADPCM 55
Agreements 65
Analysis 293
Analysis and verification 185
ANSI 65
Applications 65
Approximation 263
ASN.1 203
ATM/STM 47
Automated development tools 221

Basic rate interface 55
Bridges 243
Broadband 97

Caching 243
Capetanakis tree collision resolution algorithm 275
CCITT 65
Channel structure 55
Communication model 47
Communication protocols 19, 31, 203, 221, 293, 335
Computer networks 221, 243
Conformance 65
Conformance testing 19, 203
Corporate networks 143
Communication processor (CP) 115
CSMA/CD 1, 263

Data communications 143
Data communication architecture (DCA) 115
Delay 31
Digital data transmission 143
Directories 255
Directory update 255
Distributed algorithm 379
Distributed systems 185

Estelle 203, 335
Fail-safe routing 379
Ferry methods 203
Finite buffering 263
Formal description techniques 185, 221, 335
Formal specifications 335

Gateway 79, 243

Integrated services 97
Integrated services digital network (ISDN) 65
Interconnection approaches 79
Interconnection of error-control mechanisms 79
Interconnection problems 79
Interoperable 65
ISDN 47, 55
B-ISDN 47
ISO 65

LAPD 293
Leased lines 143
Load-balancing 1
Local area networks 1
Locality 243
LOTOS 335

MAC protocol 97
MAN 97
Matching algorithms 133
Measured performance 31
Metropolitan area networks 379
Modem interface module (MIM) 115
Movable-boundary 1
Multichannel local area network 323
Multi-media data structure 47
Multiple access protocols 275

Name servers 255
Naming 255
Network interconnection 79
Network reliability 133
North American ISDN Users' Forum (NIU-Forum) 65

Open systems interconnection 203, 221
Optical fibre communication 323
OSI 185

Performance evaluation 263
Petri nets 293
Profiles 65
Protocol conversion 79
Protocol implementations 221
Protocols 185
Protocol specifications 221, 335

Remote communication concentrator (RCC) 115
Reference model for B-ISDN 47
Robustness 275

SDL 335
Semi-automatic implementation of protocols 221
Services protocols 47
Shortest path routing 379
Specification development 335

TDMA/CSMA 1
Test 65

North-Holland
Computer Networks and ISDN Systems 18 (1989/90) 399–400

Elsevier Science Publishers B.V. (North-Holland)

Test architectures 203
Test methodology 203
Test suite design and development 19
Throughput 31
Topological design 133
Transmission infrastructure 143
Transport protocol 335
Transport service 31
Tree and tabular combined notation (TTCN) 203

Unshared feedback errors 275

Value added services 143
Voice/data protocols 1

Wavelength division multiplexing 323
Wide area network (WAN) 115